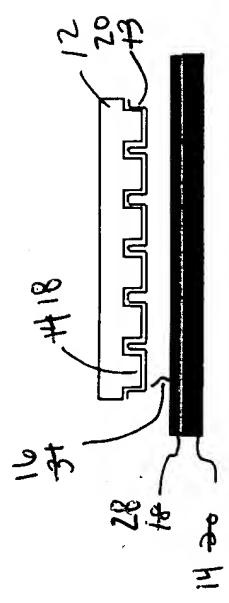
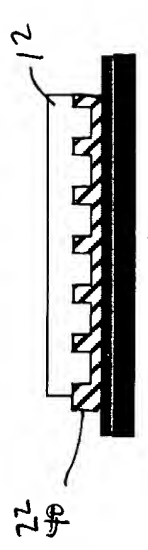


016PE JC79
 JAN 16 2006
 PATENT & TRADEMARK OFFICE 6707

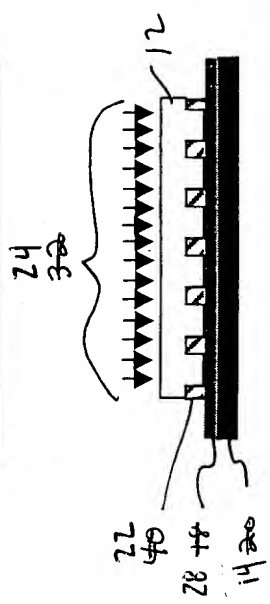
1500-2002



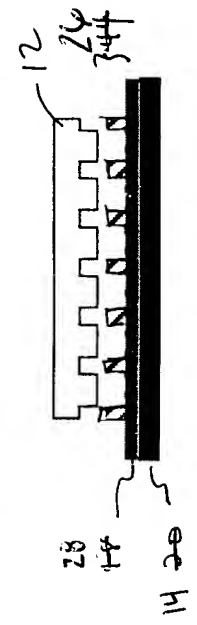
1A
Fig. 2A



1B
Fig. 2B



1C
Fig. 2C



1D
Fig. 2D

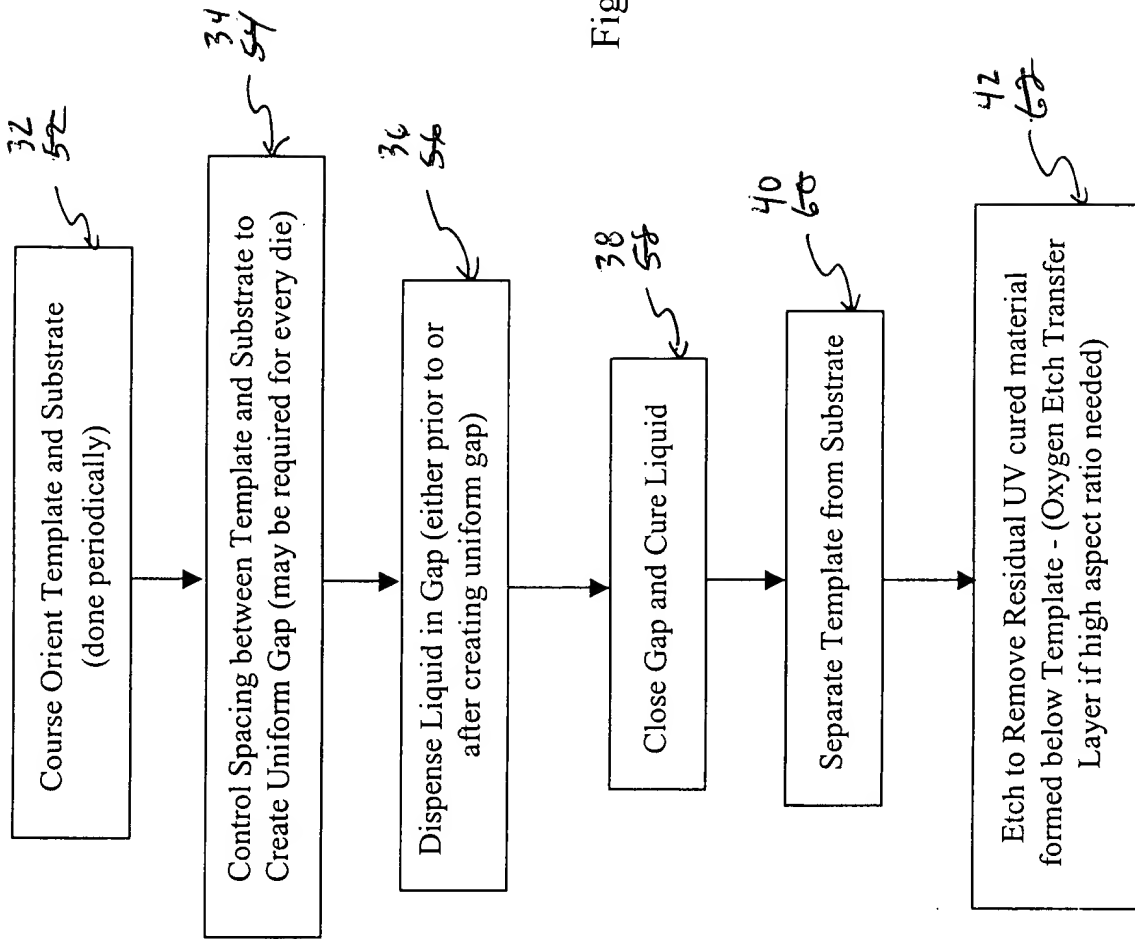


1E
Fig. 2E

30 10
 30 10

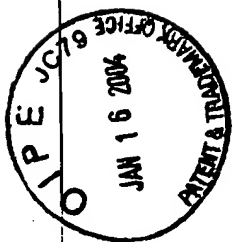
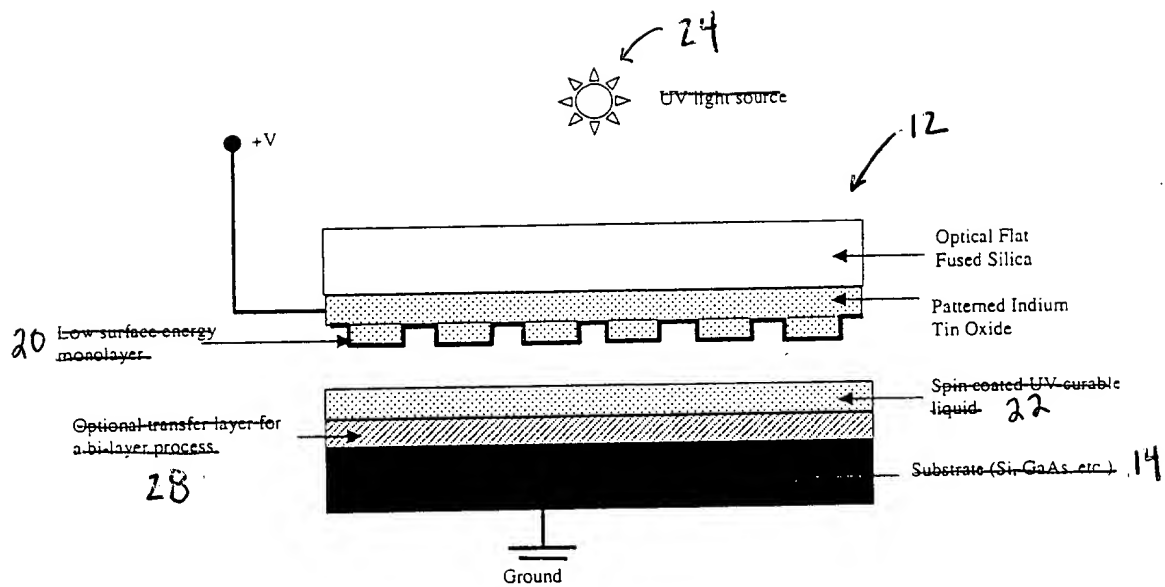


1500-2000



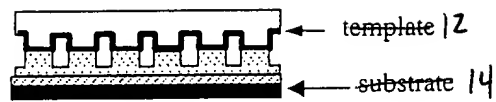
2
Fig. 3

30 50 70

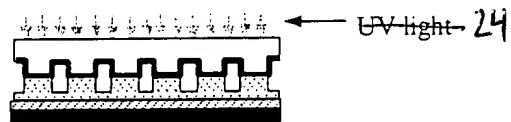




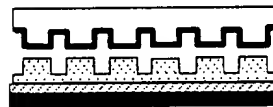
- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template



- UV cure the liquid



- Separate the template from the substrate.



- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure



FIG. 24



- Apply electric field and maintain uniform gap to induce the liquid to be attracted to the template without making contact
- UV cure the liquid
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

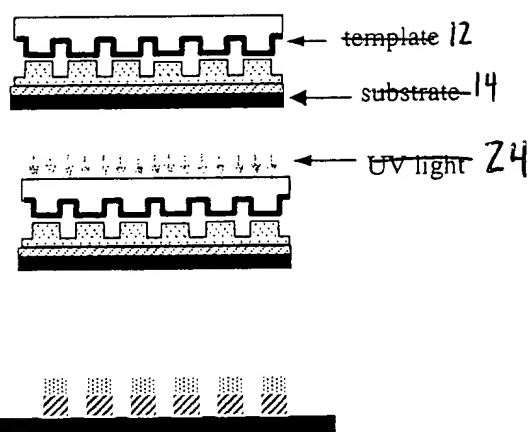


FIG. 5

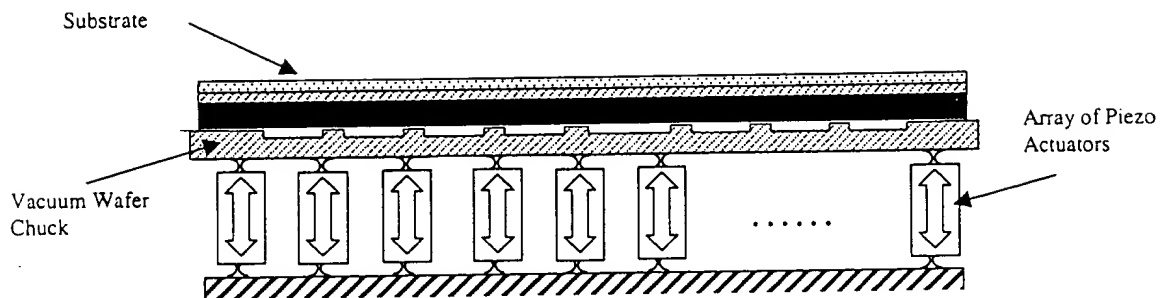


FIG. 4b

JAN 16 2004

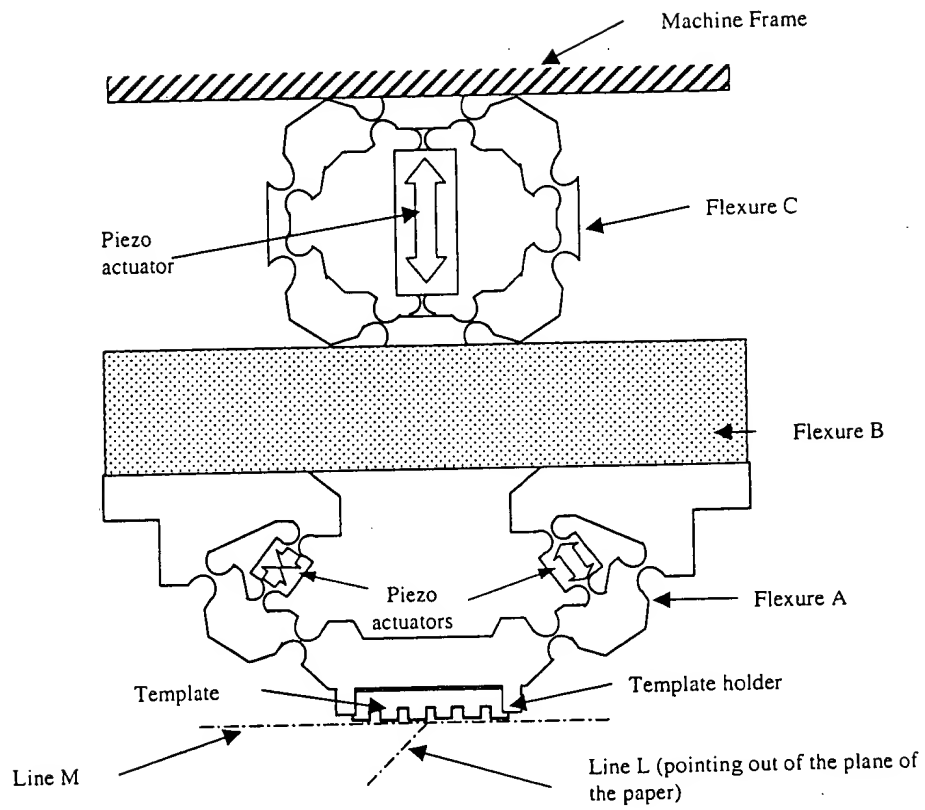


FIG. 87